

What is claimed is:

1. A method of manufacturing an organic electroluminescent device having a functional layer formed by at least a light emitting layer positioned between a pair of electrodes, the method comprising the steps of:

storing a liquid material in a container, the liquid material obtained by dissolving a material for forming the functional layer in a solvent or by dispersing the material for forming the functional layer in a dispersion medium;

removing clusters contained in the liquid material;

supplying the liquid material to a droplet discharge head;

discharging the liquid material from the droplet discharge head; and

forming the functional layer by discharging the liquid material onto a substrate.

2. A method of manufacturing an organic electroluminescent device according to claim 1, wherein the clusters are removed by filtering the liquid material.

3. A method of manufacturing an organic electroluminescent device according to claim 1, wherein the functional layer includes a hole injection layer, and

the method comprising the steps of:

storing a liquid material in a container, the liquid material obtained by dissolving a material for forming the hole injection layer in a solvent or by dispersing the material for forming the hole injection layer in a dispersion medium;

removing clusters contained in the liquid material;

supplying the liquid material to a droplet discharge head;

discharging the liquid material from the droplet discharge head; and

forming the hole injection layer by discharging the liquid material onto a substrate.

4. A method of manufacturing an organic electroluminescent device according to claim 1, the method further comprising the step of stirring the liquid material in the container before removing the clusters.

5. A method of manufacturing an organic electroluminescent device according to claim 1, wherein the clusters are solid material created as a result of the material for forming the functional layer to be formed on the substrate agglomerating in the liquid material before it is discharged.

6. An apparatus for manufacturing an organic electroluminescent device having a functional layer formed by at least a light emitting layer between a pair of electrodes, comprising:  
a droplet discharge head that discharges a liquid material obtained by dissolving a material for forming the functional layer in a solvent or by dispersing the material for forming the functional layer in a dispersion medium onto a substrate;

a container that stores the liquid material and that positioned so as to be able to be connected to the droplet discharge head; and

a cluster removal device that positioned between the container and the droplet discharge head and that removes clusters contained in the liquid material.

7. An apparatus for manufacturing an organic electroluminescent device according to claim 6, wherein the removal device is a filtration device.

8. An apparatus for manufacturing an organic electroluminescent device according to claim 6, further comprising:

5 an ionic impurity removal device provided between the container and the droplet discharge head.

9. An apparatus for manufacturing an organic electroluminescent device according to claim 6, wherein at least a portion of the removal device is formed by an ion exchanger.

10 10. An apparatus for manufacturing an organic electroluminescent device according to claim 6, wherein a stirring device is provided in the container.

11. An apparatus for manufacturing an organic electroluminescent device according to claim 6, wherein an ultrasonic device is provided in the container.

15

12. An electronic apparatus comprising:

an organic electroluminescent device obtained by the manufacturing method according to any one of claims 1 to 5; or

an organic electroluminescent device manufactured by the manufacturing apparatus  
20 according to any one of claims 6 to 11.

13. A method for removing ionic impurities, comprising the steps of:

removing ionic impurities contained in a liquid material by ion exchange using an ion exchange material; and

25 discharging the liquid material from a droplet discharge head.